

Converting Colors

CIELCh(49, 38.844, 74.990)

Have a look what the booklet for
CIELCh(49, 38.844, 74.990) contains.

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Color

CIELCh(49, 38.844, 74.990)

Conversions

Conversions Part 1

Format	Color
Hex	966D34
RGB	150, 109, 52
RGB Percent	59%, 43%, 20%
CMY	0.4128, 0.5734, 0.7969
CMYK	0.00, 0.27, 0.65, 0.41
HSL	35°, 49%, 40%
HSV	35°, 65%, 59%
XYZ	18.5895, 17.5941, 5.6392
YIQ	114.7610, 42.7330, -9.0350

Conversions

Conversions Part 2

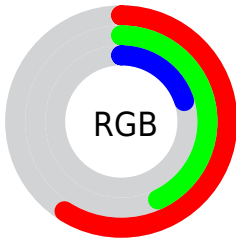
Format	Color
R_YB	122, 150, 52
Decimal	9858356
CIE Lab	49.00, 10.06, 37.52
CIE LCh	49, 38.844, 74.990
Yxy	17.5941, 0.4445, 0.4207
Android (android.graphics.Color)	4288048436 (0xFF966D34)
YUV	114.7610, -30.9412, 30.9046
Hunter-Lab	41.9453, 5.7040, 21.3906

Details

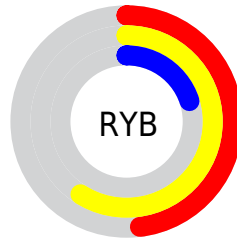
The CIELCh color **49, 38.844, 74.990** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **39, 35.837, 277.448**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 38.676, 74.505**, and **29, 39.078, 75.092** is the 20% darker color. If you saturate the color by 10%, you get **47, 44.787, 73.414**, and if you desaturate by 10%, it is **51, 32.637, 76.449**.

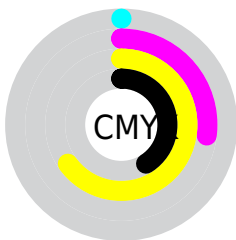
Distribution



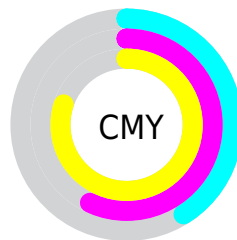
- Red (59%)
- Green (43%)
- Blue (20%)



- Red (48%)
- Yellow (59%)
- Blue (20%)



- Cyan (0%)
- Magenta (27%)
- Yellow (65%)
- Black (41%)



- Cyan (41%)
- Magenta (57%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 38.844, 74.990 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 49, 38.844, 74.990 by changing the saturation by 10% instead.

■ 49, 38.844, 74.990

■ 49, 38.844, 74.990

■ 100, 38.844,
74.990

■ 39, 38.844, 74.990

■ 69, 38.844, 74.990

■ 29, 38.844, 74.990

■ 79, 38.844, 74.990

■ 19, 38.844, 74.990

■ 89, 38.844, 74.990

■ 9, 38.844, 74.990

■ 99, 38.844, 74.990

■ 0, 38.844, 74.990

■ 49, 38.844, 74.990

■ 49, 38.844, 74.990

■ 47, 44.787, 73.414

■ 51, 32.637, 76.449

■ 46, 50.031, 71.587

■ 53, 26.411, 77.839

■ 44, 53.999, 69.325

■ 55, 20.289, 79.189

■ 43, 55.777, 68.343

■ 57, 14.329, 80.505

■ 59, 8.550, 81.783

■ 61, 2.953, 82.982

■ 63, 2.470, 264.378

■ 65, 7.733, 265.481

■ 67, 12.849,
266.592

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



49, 38.844, 74.990



39, 35.837, 277.448

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



49, 38.844, 74.990



49, 38.844, 124.990



49, 38.844, 254.990



49, 38.844, 304.990

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



49, 38.844, 74.994



73, 13.799, 81.153



37, 45.108, 356.026



38, 9.426, 80.828



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



49, 38.844, 74.994



59, 57.609, 72.516



60, 51.417, 107.649



30, 3.068, 82.548



40, 52.442, 68.623



2, 2.655, 83.723

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



39, 35.837, 277.448



45, 53.720, 282.834



28, 62.259, 301.679



29, 3.039, 264.969



26, 52.134, 290.054



1, 2.655, 263.733

Previews

White Background



This preview shows how the CIELCh color 49, 38.844, 74.990 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 49, 38.844, 74.990 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

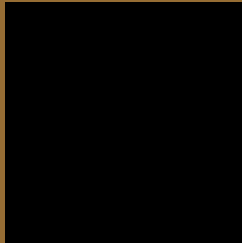
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 49, 38.844, 74.990

Background



This preview shows how black text looks on a background with the CIELCh color 49, 38.844, 74.990.



This preview shows how white text looks on a background with the CIELCh color 49, 38.844, 74.990.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

49, 38.844, 74.990

Protanopia

49, 36.098, 96.302

Deuteranopia

49, 38.382, 80.154



Tritanopia
49, 22.468, 10.545

Trichromacy



Original Color
49, 38.844, 74.990

Protanomaly
49, 36.563, 87.922

Deuteranomaly
49, 38.679, 77.985

Tritanomaly
49, 23.727, 43.101

Monochromacy



Original Color
49, 38.844, 74.990

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 14.012, 80.350

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 38.844, 74.990 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(150, 109, 52)` looks like.

```
.text, #text, p{  
    color:rgb(150, 109, 52)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(150, 109, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 109, 52) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 38.844, 74.990 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(150, 109, 52) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(150, 109, 52) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(150, 109, 52) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 109, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 109, 52);  
box-shadow:4px 4px 4px 4px rgb(150, 109,  
52) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 38.844, 74.990 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 109, 52) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(150,  
109, 52) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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